

2023 微生物致病機轉 (112 學年度秋季)
醫學檢驗生物技術、分子醫學研究所、基醫所

時間：星期一, 10:10-12:00 (二學分)

地點：醫學院 301D

課程協調人： 王貞仁(5786) (醫技所)
鄧景浩 (4595)，王憲威(4218) (分醫所)

| No. | Date | Topics | Lecturer |
|-----|-------|--|----------|
| 1. | 09/04 | An overview of bacterial pathogenesis | 鄧景浩 |
| 2. | 09/11 | Bacterial adhesion and invasion of host cells | 鄧景浩 |
| 3. | 09/18 | Applications of bioluminescence imaging on infectious diseases | 蔡佩珍 |
| 4. | 09/25 | Antibacterial agents and resistant mechanism | 橋本昌征 |
| 5. | 10/02 | Role of cytotoxins in bacterial infectious diseases | 羅宏仁 |
| 6. | 10/16 | Pathogenesis of <i>Mycobacterium tuberculosis</i> | 陳振暉 |
| 7. | 10/23 | Pathogenesis of amoebiasis | 林威辰 |
| 8. | 10/30 | Midterm Exam | 鄧景浩 |
| 9. | 11/06 | An overview of viral pathogenesis | 王貞仁 |
| 10. | 11/13 | Virus and host interaction | 王憲威 |
| 11. | 11/20 | Acute phase response and host biomarkers in infection | 沈靜芬 |
| 12. | 11/27 | Viral hepatitis | 楊孔嘉 |
| 13. | 12/04 | Viral evasion | 王憲威 |
| 14. | 12/11 | Immunopathogenesis of viral infections | 張志鵬 |
| 15. | 12/18 | Immune responses in the animal model | 凌斌 |
| 16. | 12/25 | Final Exam | 王貞仁 |

References :

1. Viral Pathogenesis and Immunity, Neal Nathanson 2nd ed. 2007, Elsevier.
2. Field's Virology, Peter M. Howley MD, David M. Knipe PhD, Sean Whelan, ed., 7th ed, 2020/2021, Lippincott Williams & Wilkins.
3. Bacterial Pathogenesis: A Molecular Approach, Salgers & Whitt 2002, ASM Press.
4. Cellular Microbiology, Cossart et al. 2000, ASM Press.

Grading: Written examinations and/or assigned written report; Midterm Exam (50%), Final Exam (50%)

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